

WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)[Cases](#)**Search Results -**

Terms	Documents
l1 and (baculovir\$ or nuclear near polyhedrosis)	0

Database:

US Patents Full-Text Database
 US Pre-Grant Publication Full-Text Database
 JPO Abstracts Database
 EPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L2

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History**
DATE: Wednesday, May 21, 2003
[Printable Copy](#)
[Create Case](#)
Set Name Query
 side by side

Hit Count Set Name
 result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR

L2 l1 and (baculovir\$ or nuclear near polyhedrosis)

0

L2

(HBV or hepatitis near B near virus\$) and ("L426I/V" or
L1 "L428I/VN480G" or S565P or V553I or M550V or V519L or F512L
 or A1814T or C1856T or G1896A or G1898A or C1653T or
 G1898A or K495R or "L526M/M550V")

2

L1

END OF SEARCH HISTORY

? set hi ;set hi

HILIGHT set on as ''

HILIGHT set on as ''

? begin 5,6,55,154,155,156,312,399,biotech,biosci

>>> 135 is unauthorized

Set Items Description

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? s (HBV or hepatitis (n) B (n) virus?) and (baculovir? or nuclear (n) polyhedrosis)

Processing

Processed 10 of 34 files ...

Processing

Processed 20 of 34 files ...

Processing

Completed processing all files

73354 HBV
677874 HEPATITIS
5478249 B
3441118 VIRUS?
148043 HEPATITIS(N)B(N)VIRUS?
79152 BACULOVIR?
4009928 NUCLEAR
29431 POLYHEDROSIS
26956 NUCLEAR(N)POLYHEDROSIS

S1 626 (HBV OR HEPATITIS (N) B (N) VIRUS?) AND (BACULOVIR? OR
NUCLEAR (N) POLYHEDROSIS)

? s (HBV or hepatitis (n) B (n) virus?) (10n) (baculovir? or nuclear (n)
polyhedrosis)

Processing

Processed 10 of 34 files ...

Completed processing all files

73354 HBV
677874 HEPATITIS
5478249 B
3441118 VIRUS?
148043 HEPATITIS(N)B(N)VIRUS?
79152 BACULOVIR?
4009928 NUCLEAR
29431 POLYHEDROSIS
26956 NUCLEAR(N)POLYHEDROSIS

S2 315 (HBV OR HEPATITIS (N) B (N) VIRUS?) (10N) (BACULOVIR? OR
NUCLEAR (N) POLYHEDROSIS)

? s s2 and HepG2

315 S2
43695 HEPG2

S3 57 S2 AND HEPG2

? rd s3

...examined 50 records (50)

...completed examining records

S4 17 RD S3 (unique items)

? d s4/3/1-17

Display 4/3/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

14057077 BIOSIS NO.: 200300051106

Comparison of anti-hepatitis B virus activities of lamivudine and clevudine
by a quantitative assay.

AUTHOR: Abdelhamed Ayman M; Kelley Colleen M; Miller Thomas G; Furman
Phillip A; Cable Edward E; Isom Harriet C(a)

AUTHOR ADDRESS: (a)Milton S. Hershey Medical Center, Penn State College of
Medicine, 500 University Dr., P.O. Box 850, Hershey, PA, 17033, USA**USA
E-Mail: hisom@psu.edu

JOURNAL: Antimicrobial Agents and Chemotherapy 47 (1):p324-336 January
2003 2003

MEDIUM: print

ISSN: 0066-4804

DOCUMENT TYPE: Article

RECORD TYPE: Abstract
LANGUAGE: English

- end of record -

?

Display 4/3/2 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

13997785 BIOSIS NO.: 200200626606

Use of recombinant **HBV baculoviruses** to compare the effects of
precore mutation, the lamivudine resistant rtM204I mutation, and
rtM204I/precore mutation on HBV gene expression and replication.

AUTHOR: Miller Thomas G(a); Yoshida Mika G(a); Kelley Colleen M(a); Delaney
William E IV; Locarnini Stephen A; Edwards Ros; Chen Robert; Isom Harriet
C(a)

AUTHOR ADDRESS: (a)College of Medicine, Penn State University, Hershey, PA
**USA

JOURNAL: Hepatology 36 (4 Part 2):p375A October, 2002

MEDIUM: print

CONFERENCE/MEETING: 53rd Annual Meeting on the Liver BOSTON, MA, USA
November 01-05, 2002

ISSN: 0270-9139

RECORD TYPE: Citation

LANGUAGE: English

- end of record -

?

Display 4/3/3 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

13937189 BIOSIS NO.: 200200566010

Efficacy of entecavir against lamivudine-resistant hepatitis B virus and
recombinant polymerases.

AUTHOR: Levine S(a); Hernandez D(a); Yamanaka G(a); Zhang S(a); Rose R(a);
Weinheimer S(a); Colunno R J(a)

AUTHOR ADDRESS: (a)Bristol-Myers Squibb Company, Wallingford, CT**USA

JOURNAL: Abstracts of the Interscience Conference on Antimicrobial Agents
and Chemotherapy 41p287 2001

MEDIUM: print

CONFERENCE/MEETING: 41st Annual Meeting of the Interscience Conference on
Antimicrobial Agents and Chemotherapy Chicago, Illinois, USA September
22-25, 2001

RECORD TYPE: Abstract

LANGUAGE: English

- end of record -

?

Display 4/3/4 (Item 4 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

13832369 BIOSIS NO.: 200200461190

Rebound of hepatitis B virus replication in **HepG2** cells after
cessation of antiviral treatment.

AUTHOR: Abdelhamed Ayman M; Kelley Colleen M; Miller Thomas G; Furman
Phillip A; Isom Harriet C(a)

AUTHOR ADDRESS: (a)Milton S. Hershey Medical Center, Pennsylvania State
College of Medicine, 500 University Dr., P.O. Box 850, Hershey, PA, 17033
**USA E-Mail: hisom@psu.edu

JOURNAL: Journal of Virology 76 (16):p8148-8160 August, 2002

MEDIUM: print

ISSN: 0022-538X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

- end of record -

?

Display 4/3/5 (Item 5 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

13078950 BIOSIS NO.: 200100286099

Cross-resistance testing of antihepadnaviral compounds using novel
recombinant **baculoviruses** which encode drug-resistant strains of
hepatitis B virus.

AUTHOR: Delaney William E IV; Edwards Ros; Colledge Danni; Shaw Tim;
Torresi Joseph; Miller Thomas G; Isom Harriet C; Bock C Thomas; Manns
Michael P; Trautwein Christian; Locarnini Stephen(a)

AUTHOR ADDRESS: (a)Victorian Infectious Diseases Reference Laboratory
(VIDRL), 10 Wreckyn St., North Melbourne, VIC, 3051:
stephenlocarnini@compuserve.com**Australia

JOURNAL: Antimicrobial Agents and Chemotherapy 45 (6):p1705-1713 June,
2001

MEDIUM: print

ISSN: 0066-4804

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

-more-

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Display 4/3/5 (Item 5 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.
LANGUAGE: English
SUMMARY LANGUAGE: English

- end of record -

?

Display 4/3/6 (Item 6 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

12757273 BIOSIS NO.: 2000000510896

Antiviral sensitivity of pre-core mutant **HBV** to nucleoside analogues
in vitro using a novel recombinant **HBV-baculovirus** system.

AUTHOR: Chen Robert Ym(a); Desmond Paul V; Delaney William E; Torresi
Joseph; Colledge Danni L; Edwards Rosalind M; Isom Harriet C; Locarnini
Stephen A

AUTHOR ADDRESS: (a)Victorian Infectious Diseases Research Lab, Melbourne,
VIC**Australia

JOURNAL: Hepatology 32 (4 Pt. 2):p456A October, 2000

MEDIUM: print

CONFERENCE/MEETING: 51st Annual Meeting and Postgraduate Courses of the
American Association for the Study of Liver Diseases Dallas, Texas, USA
October 27-31, 2000

SPONSOR: American Association for the Study of Liver Diseases

ISSN: 0270-9139

RECORD TYPE: Citation

-more-

?

Display 4/3/6 (Item 6 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.
LANGUAGE: English
SUMMARY LANGUAGE: English

- end of record -

?

Display 4/3/7 (Item 7 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

12757271 BIOSIS NO.: 200000510894

In vitro cross-resistance/sensitivity testing of Lamivudine, Penciclovir,
and Adefovir using recombinant **baculoviruses** encoding
Lamivudine-resistant **HBV**.

AUTHOR: William Delaney E(a); Colledge Danni L; Edwards Rosalind M; Torresi
Joseph; Shaw Tim; Miller Tom G; Bock Thomas C; Manns Michael P; Trautwein
Christian; Isom Harriet C; Locarnini Stephen A

AUTHOR ADDRESS: (a)VIDRL, North Melbourne, VIC**Australia

JOURNAL: Hepatology 32 (4 Pt. 2):p456A October, 2000

MEDIUM: print

CONFERENCE/MEETING: 51st Annual Meeting and Postgraduate Courses of the
American Association for the Study of Liver Diseases Dallas, Texas, USA
October 27-31, 2000

SPONSOR: American Association for the Study of Liver Diseases

ISSN: 0270-9139

RECORD TYPE: Citation

-more-

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Display 4/3/7 (Item 7 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.
LANGUAGE: English
SUMMARY LANGUAGE: English

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?

Display 4/3/8 (Item 8 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

12208195 BIOSIS NO.: 199900503044

Use of a novel **HBV** recombinant **baculovirus-HepG2** system
to measure the ability of antiviral agents to block the formation of
covalently closed circular (CCC) HBV DNA and to reduce or eliminate
existing pools of CCC HBV DNA.

AUTHOR: Abdelhamed Ayman(a); Delaney William E(a); Miller Thomas G(a); Isom
Harriet C(a)

AUTHOR ADDRESS: (a)Penn State Coll of Medicine, Hershey, PA**USA

JOURNAL: Hepatology 30 (4 PART 2):p420A Oct., 1999

CONFERENCE/MEETING: 50th Annual Meeting and Postgraduate Courses of the
American Association for the Study of Liver Diseases Dallas, Texas, USA
November 5-9, 1999

SPONSOR: American Association for the Study of Liver Diseases

ISSN: 0270-9139

RECORD TYPE: Citation

LANGUAGE: English

- end of record -

?

Display 4/3/9 (Item 9 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

12109427 BIOSIS NO.: 199900404276

Use of the **hepatitis B virus** recombinant

baculovirus-HepG2 system to study the effects of

(-)-beta-2',3'-dideoxy-3'-thiacytidine on replication of hepatitis B virus and accumulation of covalently closed circular DNA.

AUTHOR: Delaney William E IV; Miller Thomas G; Isom Harriet C(a)

AUTHOR ADDRESS: (a)Department of Microbiology and Immunology, Milton S. Hershey Medical Center, Penn State University**USA

JOURNAL: Antimicrobial Agents and Chemotherapy 43 (8):p2017-2026 Aug., 1999

ISSN: 0066-4804

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

- end of record -

?

Display 4/3/10 (Item 10 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

11699949 BIOSIS NO.: 199800481680

Hepatitis B virus replication in human **HepG2** cells mediated by

hepatitis B virus recombinant **baculovirus**.

AUTHOR: Delaney William E IV; Isom Harriet C(a)

AUTHOR ADDRESS: (a)Dep. Microbiology Immunology, Milton S. Hershey Med. Cent., Pa. State Univ., 500 University Driv**USA

JOURNAL: Hepatology 28 (4):p1134-1146 Oct., 1998

ISSN: 0270-9139

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

- end of record -

?

Display 4/3/11 (Item 1 from file: 154)

DIALOG(R)File 154:MEDLINE(R)

(c) format only 2003 The Dialog Corp. All rts. reserv.

10563046 96374932 PMID: 8781314

Isolation of highly purified, functional carboxy-terminally truncated hepatitis B virus middle surface protein activators from eucaryotic expression systems.

Hildt E; Urban S; Eckerskorn C; Hofschneider P H

Department of Virus Research, Max-Planck-Institut fur Biochemie, Martinsried, Germany.

Hepatology (Baltimore, Md.) (UNITED STATES) Sep 1996, 24 (3) p502-7,

ISSN 0270-9139 Journal Code: 8302946

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

- end of record -

?

Display 4/3/12 (Item 1 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2003 American Chemical Society. All rts. reserv.

138183882 CA: 138(13)183882z DISSERTATION

Analysis of antihepadnaviral activity of nucleoside analogs using

hepatitis B virus recombinant baculovirus-HepG2 system

AUTHOR(S): Abdelhamed, Ayman Mohamed Osman

LOCATION: Pennsylvania State Univ., University Park, PA, USA

DATE: 2002 PAGES: 314 pp. CODEN: DABBBA LANGUAGE: English CITATION:
Diss. Abstr. Int., B 2002, 63(5), 2184 AVAIL: UMI, Order No. DA3051612

- end of record -

?

Display 4/3/13 (Item 2 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2003 American Chemical Society. All rts. reserv.

131056382 CA: 131(5)56382s DISSERTATION

Generation, characterization, and use of the HBV baculovirus-hepG2
system: a novel in vitro model system for studying hepatitis B virus

AUTHOR(S): Delaney, William Ellis, IV

LOCATION: Pennsylvania State Univ., University Park, PA, USA

DATE: 1998 PAGES: 245 pp. CODEN: DABBBA LANGUAGE: English CITATION:
Diss. Abstr. Int., B 1999, 60(1), 54 AVAIL: UMI, Order No. DA9915826

- end of record -

?

Display 4/3/14 (Item 1 from file: 71)

DIALOG(R)File 71:ELSEVIER BIOBASE

(c) 2003 Elsevier Science B.V. All rts. reserv.

00980855 1998227653

Hepatitis B virus replication in human **HepG2** cells mediated by

hepatitis B virus recombinant baculovirus

Delaney IV W.E.; Isom H.C.

ADDRESS: Dr. H.C. Isom, Dept. of Microbiology and Immunology, Milton S.

Hershey Medical Center, Pennsylvania State University, 500

University Drive, Hershey, PA 17033, United States

Journal: Hepatology, 28/4 I (1134-1146), 1998, United States

CODEN: HPTLD

ISSN: 0270-9139

DOCUMENT TYPE: Article

LANGUAGES: English SUMMARY LANGUAGES: English

NO. OF REFERENCES: 54

- end of record -

?

Display 4/3/15 (Item 1 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2003 Elsevier Science B.V. All rts. reserv.

11173664 EMBASE No: 2001186714

Cross-resistance testing of antihepadnaviral compounds using novel
recombinant **baculoviruses** which encode drug-resistant strains of

hepatitis B virus

Delaney IV W.E.; Edwards R.; Colledge D.; Shaw T.; Torresi J.; Miller

T.G.; Isom H.C.; Bock C.T.; Manns M.P.; Trautwein C.; Locarnini S.

S. Locarnini, Victorian Infect. Dis. Ref. Lab., 10 Wreckyn St., North

Melbourne, Vic. 3051 Australia

AUTHOR EMAIL: stephenlocarnini@compuserve.com

Antimicrobial Agents and Chemotherapy (ANTIMICROB. AGENTS CHEMOTHER.) (

United States) 2001, 45/6 (1705-1713)

CODEN: AMACC ISSN: 0066-4804

DOCUMENT TYPE: Journal ; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 74

- end of record -

?
Display 4/3/16 (Item 2 from file: 73)
DIALOG(R)File 73:EMBASE
(c) 2003 Elsevier Science B.V. All rts. reserv.

07821709 EMBASE No: 1999294211
Use of the **hepatitis B virus** recombinant
baculovirus-HepG2 system to study the effects of
(-)-beta-2',3'-dideoxy-3'-thiacytidine on replication of hepatitis B virus
and accumulation of covalently closed circular DNA
Delaney IV W.E.; Miller T.G.; Isom H.C.
H.C. Isom, Dept. of Microbiology and Immunology, Milton S. Hershey
Medical Center, Penn State Univ. College of Medicine, 500 University Dr.,
Hershey, PA 17033 United States
AUTHOR EMAIL: hisom@psu.edu
Antimicrobial Agents and Chemotherapy (ANTIMICROB. AGENTS CHEMOTHER.) (United States) 1999, 43/8 (2017-2026)
CODEN: AMACC ISSN: 0066-4804
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 38

- end of record -

?
Display 4/3/17 (Item 1 from file: 266)
DIALOG(R)File 266:FEDRIP
Comp & dist by NTIS, Intl Copyright All Rights Res. All rts. reserv.

00298976
IDENTIFYING NO.: 5R01AI48773-02 AGENCY CODE: CRISP
BACULOVIRUS MEDIATED GENE DELIVERY OF HEPATITIS C VIRUS
PRINCIPAL INVESTIGATOR: ISOM, HARRIET C
ADDRESS: PENNSYLVANIA STATE UNIVERSITY PO BOX 850 HERSHEY, PA 17033-0850
PERFORMING ORG.: PENNSYLVANIA STATE UNIV HERSHEY MED CTR, HERSHEY, PENNSYLVANIA
SPONSORING ORG.: NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES
FY : 2001

- end of display -

?
>>>Page beyond end of display invalid
? s s2 and variant?

315 S2
702523 VARIANT?
S5 10 S2 AND VARIANT?
? rd s5
...completed examining records
S6 4 RD S5 (unique items)
? d s6/3/1-4

Display 6/3/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

13937189 BIOSIS NO.: 200200566010
Efficacy of entecavir against lamivudine-resistant hepatitis B virus and
recombinant polymerases.
AUTHOR: Levine S(a); Hernandez D(a); Yamanaka G(a); Zhang S(a); Rose R(a);
Weinheimer S(a); Colonna R J(a)
AUTHOR ADDRESS: (a)Bristol-Myers Squibb Company, Wallingford, CT**USA
JOURNAL: Abstracts of the Interscience Conference on Antimicrobial Agents
and Chemotherapy 41p287 2001
MEDIUM: print
CONFERENCE/MEETING: 41st Annual Meeting of the Interscience Conference on

Antimicrobial Agents and Chemotherapy Chicago, Illinois, USA September
22-25, 2001

RECORD TYPE: Abstract

LANGUAGE: English

- end of record -

?

Display 6/3/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

13078950 BIOSIS NO.: 200100286099

Cross-resistance testing of antihepadnaviral compounds using novel
recombinant **baculoviruses** which encode drug-resistant strains of
hepatitis B virus.

AUTHOR: Delaney William E IV; Edwards Ros; Colledge Danni; Shaw Tim;
Torresi Joseph; Miller Thomas G; Isom Harriet C; Bock C Thomas; Manns
Michael P; Trautwein Christian; Locarnini Stephen(a)

AUTHOR ADDRESS: (a)Victorian Infectious Diseases Reference Laboratory
(VIDRL), 10 Wreckyn St., North Melbourne, VIC, 3051:
stephenlocarnini@compuserve.com**Australia

JOURNAL: Antimicrobial Agents and Chemotherapy 45 (6):p1705-1713 June,
2001

MEDIUM: print

ISSN: 0066-4804

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

-more-

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Display 6/3/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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LANGUAGE: English

SUMMARY LANGUAGE: English

- end of record -

?

Display 6/3/3 (Item 1 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2003 American Chemical Society. All rts. reserv.

135163334 CA: 135(12)163334g PATENT

Assay for detecting variant hepatitis B viruses which exhibit altered
sensitivity to agents based on baculovirus vector-based replication

INVENTOR(AUTHOR): Delaney, William Iv; Locarnini, Stephen Alister; Chen,
Robert Yung Ming; Bartholomeusz, Angeline; Isom, Harriet

LOCATION: Australia

ASSIGNEE: Melbourne Health; Penn State Research Foundation

PATENT: PCT International ; WO 200157244 A1 DATE: 20010809

APPLICATION: WO 2001AU98 (20010202) *US PV179948 (20000203)

PAGES: 110 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12Q-001/48A;
C12Q-001/70B DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;
BR; BY; BZ; CA; CH; CN; CR; CU; CZ; DE; DK; DM; DZ; EE; ES; FI; GB; GD; GE;
GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT;
LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PL; PT; RO; RU; SD; SE; SG;
SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZW; AM; AZ; BY;
KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL

-more-

?

Display 6/3/3 (Item 1 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

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; SZ; TZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU;
MC; NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD;
TG

- end of record -

?

Display 6/3/4 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE
(c) 2003 Elsevier Science B.V. All rts. reserv.

11173664 EMBASE No: 2001186714

Cross-resistance testing of antihepadnaviral compounds using novel
recombinant **baculoviruses** which encode drug-resistant strains of
hepatitis B virus

Delaney IV W.E.; Edwards R.; Colledge D.; Shaw T.; Torresi J.; Miller
T.G.; Isom H.C.; Bock C.T.; Manns M.P.; Trautwein C.; Locarnini S.
S. Locarnini, Victorian Infect. Dis. Ref. Lab., 10 Wreckyn St., North
Melbourne, Vic. 3051 Australia
AUTHOR EMAIL: stephenlocarnini@compuserve.com
Antimicrobial Agents and Chemotherapy (ANTIMICROB. AGENTS CHEMOTHER.) (United States) 2001, 45/6 (1705-1713)
CODEN: AMACC ISSN: 0066-4804
DOCUMENT TYPE: Journal ; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 74

- end of display -

? s s2 and polymerase?

315 S2

1435288 POLYMERASE?

S7 98 S2 AND POLYMERASE?

? s s7 and polymerase (5n) (sensitiv? or resist? or alter? or mutat?)

Processing

Processing

Processed 10 of 34 files ...

Processing

Processed 20 of 34 files ...

Processing

Completed processing all files

98 S7

1419629 POLYMERASE

4236000 SENSITIV?

4620551 RESIST?

4637377 ALTER?

2079130 MUTAT?

78504 POLYMERASE(5N) (((SENSITIV? OR RESIST?) OR ALTER?) OR
MUTAT?)

S8 17 S7 AND POLYMERASE (5N) (SENSITIV? OR RESIST? OR ALTER? OR
MUTAT?)

? rd s8

...completed examining records

S9 5 RD S8 (unique items)

? d s9/3/1-5

Display 9/3/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

13937189 BIOSIS NO.: 200200566010

Efficacy of entecavir against lamivudine-resistant hepatitis B virus and
recombinant **polymerases**.

AUTHOR: Levine S(a); Hernandez D(a); Yamanaka G(a); Zhang S(a); Rose R(a);
Weinheimer S(a); Colonno R J(a)

AUTHOR ADDRESS: (a)Bristol-Myers Squibb Company, Wallingford, CT**USA
JOURNAL: Abstracts of the Interscience Conference on Antimicrobial Agents
and Chemotherapy 41p287 2001
MEDIUM: print
CONFERENCE/MEETING: 41st Annual Meeting of the Interscience Conference on
Antimicrobial Agents and Chemotherapy Chicago, Illinois, USA September
22-25, 2001
RECORD TYPE: Abstract
LANGUAGE: English

- end of record -

?

Display 9/3/2 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

11803607 BIOSIS NO.: 199900049716

Mutations in hepatitis B DNA **polymerase** associated with
resistance to lamivudine do not confer resistance to adefovir in
vitro.

AUTHOR: Xiong Xiaofeng(a); Flores Carmina; Yang Huiling; Toole John J;
Gibbs Craig S

AUTHOR ADDRESS: (a)Gilead Sci., 333 Lakeside Dr., Foster City, CA 94404**
USA

JOURNAL: Hepatology 28 (6):p1669-1673 Dec., 1998

ISSN: 0270-9139

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

- end of record -

? d s9/9/2

Display 9/9/2 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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11803607 BIOSIS NO.: 199900049716

Mutations in hepatitis B DNA **polymerase** associated with
resistance to lamivudine do not confer resistance to adefovir in
vitro.

AUTHOR: Xiong Xiaofeng(a); Flores Carmina; Yang Huiling; Toole John J;
Gibbs Craig S

AUTHOR ADDRESS: (a)Gilead Sci., 333 Lakeside Dr., Foster City, CA 94404**
USA

JOURNAL: Hepatology 28 (6):p1669-1673 Dec., 1998

ISSN: 0270-9139

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: To determine whether adefovir is active against
lamivudine-resistant hepatitis B virus (HBV), the inhibition constants of

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adefovir diphosphate and lamivudine triphosphate for wild-type and mutant
human HBV DNA **polymerases**, which contain amino acid substitutions
associated with lamivudine resistance, were compared. Recombinant
wild-type and mutant human **HBV DNA polymerases** were expressed
and substantially purified using a **baculovirus** expression system

and immunoaffinity chromatography. **HBV DNA polymerase** mutants M552I, M552V, and L528M/M552V showed resistance to lamivudine triphosphate with inhibition constants (Ki) increased by 8.0-fold, 19.6-fold, and 25.2-fold compared with that of wild-type HBV DNA **polymerase**. However, these mutants remained **sensitive** to adefovir diphosphate with the inhibition constants increasing by 1.3-fold and 2.2-fold or decreasing by 0.79-fold. The L528M single mutation, identified in patients with increasing HBV DNA levels during therapy with famciclovir, also remained sensitive to adefovir diphosphate with the inhibition constant increased by only 2.3-fold.

REGISTRY NUMBERS: 9012-90-2: DNA **POLYMERASE**; 134678-17-4: LAMIVUDINE;

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DIALOG(R)File 5:Biosis Previews(R)
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106941-25-7: ADEFOVIR

DESCRIPTORS:

MAJOR CONCEPTS: Infection; Pharmacology
BIOSYSTEMATIC NAMES: Hepadnaviridae--Animal Viruses, Viruses,
Microorganisms; Hominidae--Primates, Mammalia, Vertebrata, Chordata,
Animalia
ORGANISMS: hepatitis B virus (Hepadnaviridae)--pathogen; human
(Hominidae)--patient
BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA): Animal Viruses; Animals;
Chordates; Humans; Mammals; Microorganisms; Primates; Vertebrates;
Viruses
CHEMICALS & BIOCHEMICALS: adefovir--antiviral-drug, in vitro;
hepatitis B DNA **polymerase**--mutation; lamivudine--antiviral-drug
, resistance, in vitro
MISCELLANEOUS TERMS: amino acid substitutions
CONCEPT CODES:
36001 Medical and Clinical Microbiology-General; Methods and Techniques

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10060 Biochemical Studies-General
14001 Digestive System-General; Methods
22002 Pharmacology-General
38502 Chemotherapy-General; Methods; Metabolism
BIOSYSTEMATIC CODES:
02611 Hepadnaviridae (1993-)
86215 Hominidae

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Display 9/3/3 (Item 3 from file: 5)
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10850320 BIOSIS NO.: 199799471465

Transcomplementation of nucleotide priming and reverse transcription
between independently expressed TP and RT domains of the hepatitis B
virus reverse transcriptase.

AUTHOR: Lanford Robert E(a); Notvall Lena; Lee Helen; Beames Burton
AUTHOR ADDRESS: (a)Dep. Virol. Immunol., Southwest Found. Biomed. Res.,
7620 N.W. Loop 410, San Antonio, TX 78228**USA
JOURNAL: Journal of Virology 71 (4):p2996-3004 1997

ISSN: 0022-538X
RECORD TYPE: Abstract
LANGUAGE: English

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Display 9/3/4 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
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01761278 Genuine Article#: HY566 No. References: 37
Title: HEPATITIS-B VIRUS **POLYMERASE** GENE - EXPRESSION OF THE LONG
OPEN READING FRAME USING THE BACULOVIRUS EXPRESSION SYSTEM
Author(s): MCGLYNN E; REUTENER S; MATTER A; WILDNER G; WILL H; LYDON NB
Corporate Source: CIBA GEIGY AG, DIV PHARMACEUT, RES DEPT, K-125-4-12/CH-4002
BASEL//SWITZERLAND//; MAX PLANCK INST BIOCHEM/W-8033
MARTINSRIED//GERMANY/
Journal: JOURNAL OF GENERAL VIROLOGY, 1992, V73, JUN (JUN), P1515-1519
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

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Display 9/3/5 (Item 1 from file: 144)
DIALOG(R)File 144:Pascal
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13860965 PASCAL No.: 99-0038644
Mutations in hepatitis B DNA **polymerase** associated with
resistance to lamivudine do not confer resistance to adefovir in
vitro
XIAOFENG XIONG; FLORES C; HUILING YANG; TOOLE J J; GIBBS C S
Gilead Sciences, Foster City, CA, United States
Journal: Hepatology : (Baltimore, MD), 1998, 28 (6) 1669-1673
Language: English

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E7	6	AU=DELANEY, WILLIAM E., IV
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